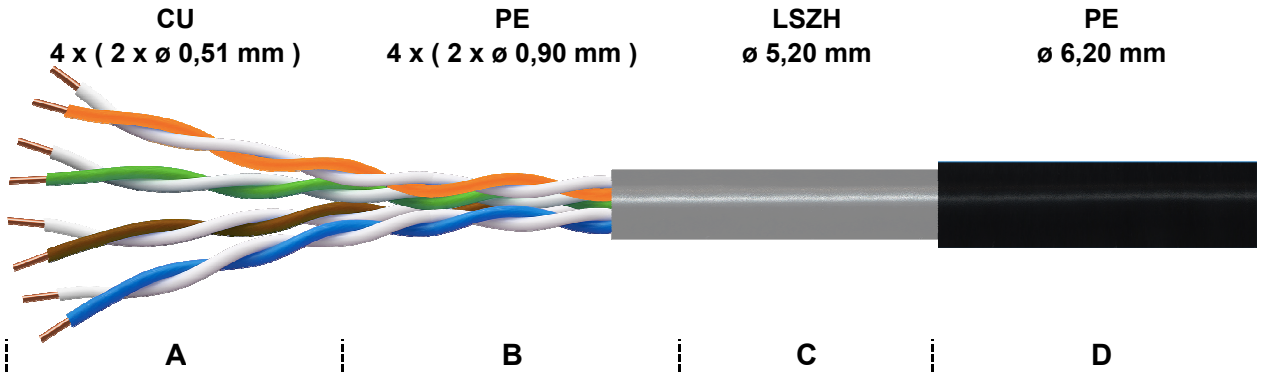


U/UTP 5E G4 PE 4x2xAWG24/1

LOCAL AREA NETWORK CABLE FOR DATA TRANSMISSION IN TWIN SYMMETRICAL PAIRS

Class CPR **F_{ca}**



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	4 x (2 x ø 0,51 mm)
B	INSULATION	LOW DENSITY POLYETHYLENE	4 x (2 x ø 0,90 mm)
	- COLOUR	WHITE/BLUE - BLUE		WHITE/ORANGE - ORANGE
		WHITE/GREEN - GREEN		WHITE/BROWN - BROWN
C	1° SHEATH	FLAME RETARDANT NON-CORROSIVE		ø 5,20 ± 0,30 mm
	- COLOUR	THERMOPLASTIC FREE OF HALOGENS		
		GREY - RAL 7001		
D	2° SHEATH	CARBON BLACK POLYETHYLENE	ø 6,20 ± 0,30 mm
	- COLOUR	BLACK - RAL 9004		
	- PRINTING			

MINIMUM BENDING RADIUS (mm)

- INSTALLATION	20 mm
- OPERATING	40 mm

CABLE WEIGHT (Kg/Km)

- COPPER	15,2
- PLASTIC	23,6
- TOTAL	38,8

TEMPERATURE RANGE -40 °C / +75 °C

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE (@ 100 MHz)	100 ± 10 Ohm	RESISTANCE	
CAPACITANCE (@ 800 Hz)	48 pF/m	- DC CONDUCTOR	95 Ohm/Km
VELOCITY RATIO	69%	- LOOP	190 Ohm/Km
COUPLING	>45 dB	- INSULATION (500 V)	>2000 Mohm/Km
ATTENUATION (30÷100 MHz)		SHEATH INSULATION VOLTAGE	3 kV

TRANSMISSION PROPERTIES at 20°C

		ATTENUATIONS dB/100 m.	RL dB	NEXT dB	ACR-N dB/100 m.
1	MHz	1,9	20,0	71,0	69,1
10	MHz	6,0	25,0	56,0	50,0
20	MHz	8,5	25,0	51,0	42,5
31,2	MHz	10,7	24,0	49,0	38,3
62,5	MHz	15,7	22,0	44,0	28,3
100	MHz	19,8	20,0	41,0	21,2
155,5	MHz	24,2	15,0	38,0	13,8
200	MHz	27,5	15,0	36,0	8,5
250	MHz	29,2	15,0	35,0	5,8
300	MHz	32,0	15,0	34,0	2,0

The producer reserves himself to make modification on the item without any notice.